REMARKS

Claims 1-13 are pending in the application. Claim 1 has been amended by way of the present amendment. Reconsideration is respectfully requested.

In the outstanding Office Action, claims 1-13 were rejected under 35 USC § 103(a) as being unpatentable over US Publication No. 2002/0161493 (Bird et al). Reconsideration is respectfully requested.

35 USC § 103 Rejections

Claims 1-13 were rejected under 35 USC § 103(a) as being unpatentable over Bird et al. Reconsideration is respectfully requested. Reconsideration is respectfully requested.

Claim 1 has been amended to clarify the invention. In particular, claim 1 has been amended to recite:

> [A]n arrangement for at least one of analyzing, simulating and monitoring functions and/or structures in a distributed control system (24) that works with a first protocol (29), comprising:
> at least one first unit (23, 26) connected to the distributed control system via contacts (5', 6', 6''), the at least one first unit, by means of the first protocol, receives and/or sends task instructions concerning the monitoring functions and/or structures; and
> a second unit (22)connected the first unit and to a tool arrangement interactable with a user and further comprising:
> a first computer (21) able to carry out calculation, simulation and/or analysis tasks, or
> a second computer connected to the first computer that is adapted to configure the second computer, wherein the second computer is adapted to carry out at least some of the tasks of the first computer,
> wherein the at least one first unit transforms, at least those parts in the first protocol (29) that relate to said tasks into a second protocol (28), by means of which the tasks or parts of tasks can be carried out by the second unit (22),
> wherein the second unit, by means of the second protocol (28) or a third protocol (27), can communicate with the tool

arrangement, which by readings and/or modifications in the first protocol and in the first and second protocols, respectively, can carry out the readings and/or modifications in a same way in the second and third protocols, respectively,

wherein the at least one first unit (23, 26) further comprises at least one microprocessor which communicates partly with the distributed control system by means of a connection, a protocol and a bit speed valid for the distributed control system, and communicates with the second unit (22), ~~and~~

wherein the second unit is equipped with at least one microprocessor adapted to communicate and exchange information with the at least one first unit and the tool arrangement, and.

wherein primary readings and/or modifications in the first protocol on the basis of the analysis and/or monitoring can be carried out by means of secondary readings and/or modifications in the second protocol.

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Support for the amendments to claim 1 is provided by the original figures and specification of the application. In particular, as shown in **Fig. 2** below, and disclosed in the specification

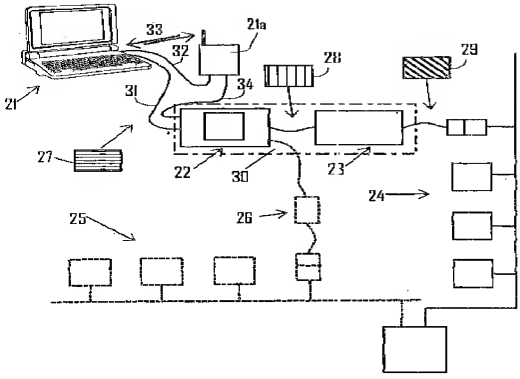

Fig. 2

as follows: an arrangement that consists of a basic unit **21** and a unit **22**, wherein a unit **23** is connected to the unit **22** and connected to a control subsystem **24**. Further, the specification discloses the unit **22** can be connected to a second control subsystem **25** via a unit **26** and that communications is carried out: **(1)** between the unit **21** and the unit **22** is carried out by means of a protocol **27**; **(2)** between the unit **22** and the unit **23** by means of a another protocol **28**; and **(3)** between the unit **23** and the analyzed system by means of yet another protocol **29**.[1]

Further, the original specification discloses the units **22, 23** can alternatively be incorporated in a unit **30**; and that the (tool) arrangement comprises a sophisticated part **21** (i.e., basic computer unit) and a less sophisticated part **21a** (e.g., a PDA).[2]

[1] See original specification at **Fig. 2**; and page 9, line 28 to page 10, line 28; and/or US Patent Application Publication No. US 2006/0077998 (Fredricksson) at **Fig. 2** and paragraph **[0035]**.
[2] *Id*. at paragraph **[0040]** of Fredricksson.

Furthermore, **Fig. 2**, **Fig. 3** and the original specification discloses: **(1)** unit **23** is connected on one side to a system **301** and the signals can be interpreted (i.e., communication is carried out) in accordance with a protocol **308** used in the system **301**; **(2)** a second protocol for example CAN, USB indicated by **336** is used between unit **22** and the unit **23**; **(3)** yet another protocol **337**, **338, 339** based, for example on USB, Bluetooth or PCPIP, respectively, can be based to carry out communication between the unit **331** (i.e., **21), 330** (i.e., **21a)** and **315** (i.e., **22**).[3] Moreover, **Fig. 3** and the original specification discloses that each of unit **315** (i.e., **22**) and 23' (i.e., **23**) includes microprocessor **306** and **309**, respectively.[4]

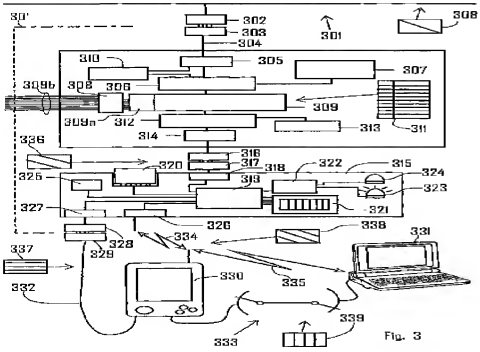

Fig. 3

Therefore, it is respectfully submitted that the amendments and new claims raise no questions of new matter.

[3] *Id.* at paragraphs **[0036]** to **[0040]** of Fredricksson.
[4] *Id.* at paragraphs **[0036]** to **[0040]** of Fredricksson.

Bird et al. discloses a vehicle analysis system includes a system analyzer, such as an engine analyzer, having probes that gather data from vehicle parameters such as engine components.[5] In particular, as shown in **Fig. 2** below, Bird et al. discloses probes **8** are connected to signal conditioning circuitry **10** via a cable **6**; the probes **8** are operative to receive various types of information (e.g., analog signals); the analog signals from the probes **8** are

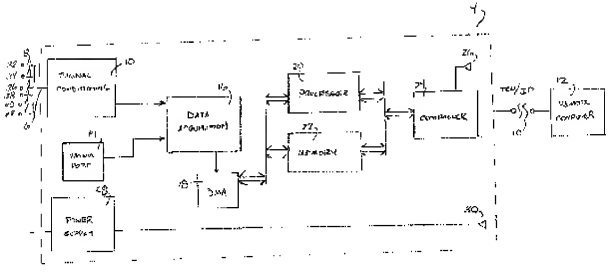

Fig. 2 of Bird et al.

received by the signal conditioning circuit **10** and delivered to data acquisition circuitry 16; data acquisition circuitry **16;** an analog-to-digital converter system converts the signals into a digitized format that can be understood by processor **20**; digitized data is then delivered to one or more processors **20** or alternatively, be stored in a memory **22**; and data from processor **20** may be delivered to a controller **24**, such as an ethernet controller, that assembles the data into packets for transmission to a remote computer **12** via communications network **10**.[6]

However, Bird et al. nowhere discloses as amended independent claim 1, recites

[5] Bird et al. at ABSTRACT.
[6] *Id.* at Fig. 2; and paragraphs **[0017]** to **[0020]**.

> a first computer (21) able to carry out calculation, simulation and/or analysis tasks, or
>
> *a second computer connected to the first computer that is adapted to configure the second computer*, wherein the second computer is adapted to carry out at least some of the tasks of the first computer,
>
> wherein the at least one first unit transforms, at least those parts in the first protocol (29) that relate to said tasks into a second protocol (28), by means of which the tasks or parts of tasks can be carried out by the second unit (22),
>
> wherein the *second unit, by means of the second protocol (28) or a third protocol (27), can communicate with the tool arrangement, which by readings and/or modifications in the first protocol and in the first and second protocols, respectively, can carry out the readings and/or modifications in a same way in the second and third protocols*, respectively, *and*
>
> *wherein primary readings and/or modifications in the first protocol on the basis of the analysis and/or monitoring can be carried out by means of secondary readings and/or modifications in the second protocol* (emphasis added).

That is, Bird et al. nowhere discloses "a second computer connected to the first computer that is adapted to configure the second computer" or that a "second unit, by means of the second protocol (28) or a third protocol (27), can communicate with the tool arrangement, which by readings and/or modifications in the first protocol and in the first and second protocols, respectively, can carry out the readings and/or modifications in a same way in the second and third protocols." In particular, it is respectfully submitted that Bird et al. nowhere discloses the interaction between computers (i.e., as claim 1 recites: "first computer that is adapted to configure the second computer") nor the number of protocols (i.e., first, second and third protocols) utilized by the claimed invention. Morever, Bird et al. nowhere discloses as amended claim 1 recites: "wherein primary readings and/or modifications in the first protocol on the basis of the analysis and/or monitoring can be carried out by means of secondary readings and/or modifications in the second protocol." Thus, at least for the above-discussed reasons, Bird et al. does not disclose, suggest or make obvious the limitations of independent claim 1.

Further, regarding the dependent claim 2, Bird et al. nowhere disclose, as recited in the claim: "wherein the second protocol is developed to serve as a common platform for the analysis tasks of two or more systems with different protocols."

Further, regarding dependent claim 6, Bird et al. nowhere discloses, as recited in the claim: "wherein during interaction between the first computer and the user, rules are generated for automatic repetition, and the rules are further modified for a second computer with regard to the collected information and presentation of results of the analysis task."

Furthermore, regarding claim 9, Bird et al. nowhere discloses, as recited in the claim: "wherein the first or second unit communicates with one or more units via a serial communication by means of the at least one microprocessor and works with a reduced interface toward at least one user, carries out processing of signals from an other unit according to rules attained from the other unit, and comprises a number of units having microprocessors which communicate with serial communication."

Moreover, Bird et al. nowhere discloses, as recited in claims 11 and 12, respectively: "wherein the communication is by at least one of USB, Bluetooth and Ethernet" and "wherein the serial communication is by at least one of CAN and LIN and the reduced interface is at least one of light diodes and summers." That is, Bird et al. nowhere discloses the explicit types or combination of protocols (e.g., USB, Bluetooth, CAN, LIN) that are recited in claims 11 and 12 of the invention. Therefore, in consideration of the above discussion, it is respectfully submitted that Bird et al. does not disclose, suggest or make obvious the claimed invention and that claim 1, and claims dependent thereon, patentably distinguish thereover.

Conclusion

In view of the above, consideration and allowance are respectfully solicited.

In the event the Examiner believes an interview might serve in any way to advance the prosecution of this application, the undersigned is available at the telephone number noted below.

The Office is authorized to charge any necessary fees to Deposit Account No. 22-0185.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 22-0185, under Order No. 21406-00015-US1 from which the undersigned is authorized to draw.

Dated: March 26, 2008

Respectfully submitted,

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